

## HSEAC Project Priorities

Oct-07

Rank	Project Title	Duration (Months)	
1	Multi-hazard Structural Evaluation and Benefit Cost Analysis to Identify Effective Emergency Shelter Retrofits - Hawaii County	12	
2	All Hazard evaluation of critical facilities and identifying cost effective retrofits for the ten most vulnerable buildings – Maui County	12	
3	Mapping of landslide hazard areas - Hawaii County	9	
4	All-hazards public outreach program - schools focus	48/max	
5	GIS Mapping of soil types for the County of Maui: and Update the Loss Estimation Model and Produce “Earthquake Hazards and Estimated Losses in the County of Maui”	12	
6	Mapping of landslide hazard areas - Maui County	9	
7	Update of the State loss estimate model to reflect State bridge seismic retrofits within Hawaii and Maui Counties	12	
8	All-hazards public outreach program - retrofit focus	48/max	
9	Mapping localized potential liquefaction hazard zones for coastal Hawaii	6	
10	Assessment of building code enforcement effectiveness in achieving code compliance in the County of Hawaii	12	
11	Interactive Hazards Outreach Using Artificial Intelligence: An Earthquake Retrofit Expert System	12	

### Already Funded Projects

	Development of post-and-pier earthquake retrofit guidelines	12	
	All-hazard evaluation of critical facilities - Hawaii County	12	
	Prioritization of building retrofit schemes		
	Transition to HAZUS MH earthquake loss estimation software for near real-time reports used in emergency response operations	9	

*	Architect, engineer and building official training in new IBC building codes		
*	Outreach and public awareness of hazards, including earthquake		
*	Soil profile characterization at strong motion sites in Hawaii County		
*	Development of HAZUS database for Oahu		

Cost
\$135,000
\$225,000
\$50,000
\$120,000
\$135,000
\$50,000
\$100,000
\$70,000
\$25,000
\$75,000
\$40,000

\$330,000
\$255,000
\$69,000
